

Image reading apparatus

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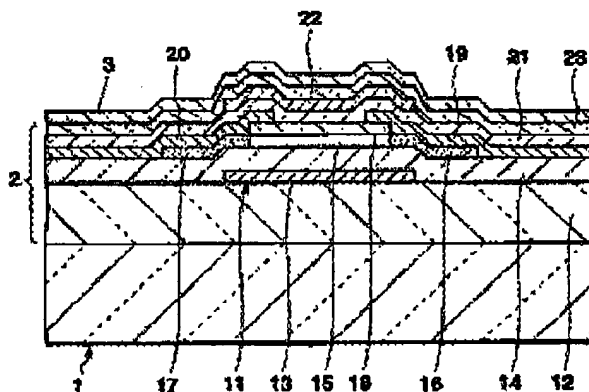
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EP0988615 (A1)
US6414297 (B1)
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A two-dimensional photosensor is formed on a surface light source, and a transparent conductive layer made of ITO or the like is formed on the two-dimensional photosensor. The transparent conductive layer dissipates static electricity and is grounded. Even if a finger in contact with the transparent conductive layer on the two-dimensional photosensor is charged with static electricity, this static electricity can dissipate via the transparent conductive layer. When the transparent conductive layer is divided into two layers, and the finger simultaneously touches the two transparent conductive layers, a fingerprint reading start signal is obtained. Even if, therefore, the finger is charged with static electricity, the two-dimensional photosensor can be prevented from malfunction or damage by the static electricity. When a target object in contact between the transparent conductive layers is a copy having a different resistance value, reading is not performed, and the reliability can improve.



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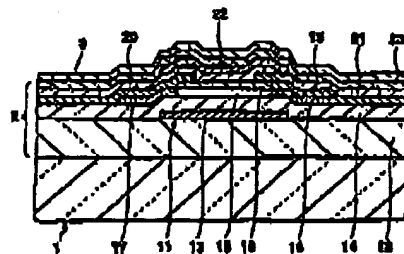
代理人 郭宏

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[54]发明名称 图像读取设备

[57]摘要

在一表面光源(1)上形成二维光敏器件(2),在此二维光敏器件(2)上形成由 ITO 之类制成的透明导电层(3)。此透明导电层(3)消散静电并被接地。即使与此二维光敏器件(2)上的透明导电层(3)相接触的手指被以静电充电,此静电也能通过透明导电层(3)消散。当此透明导电层(3)被分成为二层,并且手指同时触及此二透明导电层时,得到指纹读取开始信号。因此即使手指被充以静电,亦可防止此二维光敏器件因静电产生误操作或遭到损坏。当在透明导电层间相接触的目标物体为一具有不同电阻值的复制物时,即不进行读取,从而改善可靠性。



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